

Title (en)
MODULE FOR A PRESSURE-CONTROLLED BRAKE SYSTEM

Title (de)
MODUL FÜR DRUCKGESTEUERTES BREMSYSTEM

Title (fr)
MODULE POUR UN SYSTÈME DE FREINAGE COMMANDÉ PAR PRESSION

Publication
EP 4183645 A1 20230524 (EN)

Application
EP 21209262 A 20211119

Priority
EP 21209262 A 20211119

Abstract (en)
A module (1) is disclosed for generating and supplying a control pressure for a pressure-controlled brake system (2) of a first vehicle, in particular a fluidic brake system, preferably a pneumatic or a hydraulic brake system, the module (1) comprises the following elements:- a valve unit (3) comprising at least two stable switching states;- a pressure source (4) configured to provide a supply pressure to the valve unit (3); and- an outlet port (5) configured to supply the control pressure to the brake system (2) of the first vehicle; wherein the module (1) is configured to generate the control pressure from the supply pressure according to at least two operating modes which are respectively activated according to one of the at least two switching states of the valve unit (3). Further, a brake system (2) and a vehicle are disclosed.

IPC 8 full level
B60T 8/32 (2006.01); **B60T 13/68** (2006.01); **B60T 15/04** (2006.01); **B60T 17/22** (2006.01)

CPC (source: EP)
B60T 8/327 (2013.01); **B60T 13/683** (2013.01); **B60T 15/041** (2013.01); **B60T 15/043** (2013.01); **B60T 17/221** (2013.01)

Citation (search report)
• [XY] DE 102019125747 A1 20210325 - WABCO EUROPE BVBA [BE]
• [XY] EP 1571061 A1 20050907 - WABCO GMBH & CO OHG [DE]
• [X] EP 1785325 A1 20070516 - HALDEX BRAKE PROD GMBH [DE]
• [Y] WO 2009098003 A2 20090813 - KNORR BREMSE SYSTEME [DE], et al
• [Y] DE 102014107218 A1 20151126 - KNORR BREMSE SYSTEME FUER NUTZFAHRZEUGE GMBH [DE]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4183645 A1 20230524; WO 2023088967 A1 20230525

DOCDB simple family (application)
EP 21209262 A 20211119; EP 2022082133 W 20221116